

# Global Amorphous Polyalphaolefin (APAO) Market Analysis: Plant Capacity, Production, Operating Efficiency, Demand & Supply, End-User Industries, Sales Channel, Regional Demand, Company Share, 2015-2035

<https://marketpublishers.com/r/G2718B640A5EEN.html>

Date: October 2023

Pages: 0

Price: US\$ 6,000.00 (Single User License)

ID: G2718B640A5EEN

## Abstracts

The global Amorphous Polyalphaolefin (APAO) market is estimated to reach around 220 thousand tonnes in 2022 with a CAGR of 4.01% during the forecast period until 2035. A joint venture to build and run an amorphous Polyalphaolefin (APAO) manufacturing plant in the Yeosu Industrial Complex in South Korea was announced on June 15, 2021, by REXtac LLC of Odessa, and DL Chemical of Seoul. The eco-friendly APAO factory will have an annual capacity of 88,000,000 pounds once in operation is worth a USD134 million investment.

Amorphous Polyalphaolefin (APAO) is synthesized by polymerization reaction of nitrile alcohol and alkyl aluminium in presence of zn-nitrite catalysts. Generally, low crystallinity amorphous polyalphaolefins are synthesized by this method. This is a perfect material for making hot melt due to its physical and chemical properties. APAO hot melts have a wide array of industrial applications such as battery assemblies, load floors, automotive filters, headliner component assembly, HVAC assembly, bi-laminate fabric, and others.

The APAO adhesives display intrinsic resistance to moisture, adequate UV protection, functionality across a large range of temperatures, and outstanding thermal stability.

Based on production, USA is leading the APAO market approximately 50% of the global APAO in 2021. It is expected to retain this position in the forecast period. This is due to abundance of olefins, the raw materials used to synthesize Amorphous Polyalphaolefins

(APAO), are available in USA.

The global demand is being driven by the automotive industry. In coming times, the requirement of adhesives will be surging with high demands from the automobile industry for the purpose of manufacturing lightweight vehicles. In the year 2021, approximately 51% of the APAO demand was from the automotive industry. APAO hot melts and adhesives are contributing factors which are expected to increase the demands of APAO in the forecast period.

Based on consumption, the APAO market is divided into North America, Europe, Asia Pacific, the Middle East and Africa, and South America. Europe is currently leading the global APAO market owing up to the employment of APAO for the manufacture of consumer goods and woodwork. In the forecast period, Europe is anticipated to experience of slow growth in terms of APAO demand. Whereas Asia Pacific is anticipated to experience a surge in demand of APAO as a result of growing demand of materials for the production of lubricants, hot melt adhesives, printing and packaging industry.

Based on the end-user industry, the APAO market is segmented into different sectors, including Automotive, Hygiene & Foam, Woodworking, Packaging, and others. However, automotive industry is the largest end-user market of APAO. The automotive market for and is expected to dominate the APAO market in the forecast period as well. The Hygiene & Foam market is also a prominent consumer of APAO. Additionally, the Packaging Industry is likely to expand in the coming years owing up to the rapid urbanization.

Major players for Global APAO are Evonik Industries AG, Eastman Chemical Company, REXtac LLC, Liaoyang Liaohua Qida Chemicals, and D-Rex Polymer LLC.

Years considered for this report:

Historical Period: 2015- 2021

Base Year: 2021

Estimated Year: 2022

Forecast Period: 2023-2035

## Objective of the Study:

To assess the demand-supply scenario of Amorphous Polyalphaolefin (APAO) which covers production, demand and supply of Amorphous Polyalphaolefin (APAO) market in the globe.

To analyse and forecast the market size of Crude Amorphous Polyalphaolefin (APAO).

To classify and forecast Global Amorphous Polyalphaolefin (APAO) market based on end-use and regional distribution.

To examine competitive developments such as expansions, new product launches, mergers & acquisitions, etc., of Amorphous Polyalphaolefin (APAO) market in the globe.

To extract data for Global Amorphous Polyalphaolefin (APAO) market, primary research surveys were conducted with Amorphous Polyalphaolefin (APAO) manufacturers, suppliers, distributors, wholesalers and Traders. While interviewing, the respondents were also inquired about their competitors. Through this technique, ChemAnalyst was able to include manufacturers that could not be identified due to the limitations of secondary research. Moreover, ChemAnalyst analyzed various segments and projected a positive outlook for Global Amorphous Polyalphaolefin (APAO) market over the coming years.

ChemAnalyst calculated Amorphous Polyalphaolefin (APAO) demand in the globe by analyzing the historical data and demand forecast which was carried out considering the consumption of raw material to produce Amorphous Polyalphaolefin (APAO). ChemAnalyst sourced these values from industry experts and company representatives and externally validated through analyzing historical sales data of respective manufacturers to arrive at the overall market size. Various secondary sources such as company websites, association reports, annual reports, etc., were also studied by ChemAnalyst.

## Key Target Audience:

Amorphous Polyalphaolefin (APAO) manufacturers and other stakeholders

## Organizations, forums and alliances related to Amorphous Polyalphaolefin (APAO) distribution

Government bodies such as regulating authorities and policy makers

Market research organizations and consulting companies

The study is useful in providing answers to several critical questions that are important for industry stakeholders such as Amorphous Polyalphaolefin (APAO) manufacturers, customers and policy makers. The study would also help them to target the growing segments over the coming years (next two to five years), thereby aiding the stakeholders in taking investment decisions and facilitating their expansion.

### Report Scope:

In this report, Global Amorphous Polyalphaolefin (APAO) market has been segmented into following categories, in addition to the industry trends which have also been detailed below:

Market, by End-use: Automotive, Hygiene & Foam, Woodworking, Packaging, and others

Market, by Sales Channel: Direct Sale and Indirect Sale

Market, by Region: North America, Europe, Asia Pacific, Middle East and Africa, and South America.

### Available Customizations:

With the given market data, ChemAnalyst offers customizations according to a company's specific needs.

## Contents

### **1. CAPACITY BY COMPANY**

On our online platform, you can stay up to date with essential manufacturers and their current and future operation capacity on a practically real-time basis for Amorphous Polyalphaolefin (APAO).

### **2. CAPACITY BY LOCATION**

To better understand the regional supply of Amorphous Polyalphaolefin (APAO) by analyzing its manufacturers' location-based capacity.

### **3. PRODUCTION BY COMPANY**

Study the historical annual production of Amorphous Polyalphaolefin (APAO) by the leading players and forecast how it will grow in the coming years.

### **4. DEMAND BY END- USE**

Discover which end-user industry (Automotive, Hygiene & Foam, Woodworking, Packaging, and others) are creating a market and the forecast for the growth of the Amorphous Polyalphaolefin (APAO) market.

### **5. DEMAND BY REGION**

Analyzing the change in demand of Amorphous Polyalphaolefin (APAO) in different regions, i.e., North America, Europe, Asia Pacific, Middle East and Africa, and South America, that can direct you in mapping the regional demand.

### **6. DEMAND BY SALES CHANNEL (DIRECT AND INDIRECT)**

Multiple channels are used to sell Amorphous Polyalphaolefin (APAO). Our sales channel will help in analyzing whether distributors and dealers or direct sales make up most of the industry's sales.

### **7. DEMAND-SUPPLY GAP**

Determine the supply-demand gap to gain information about the trade surplus or

deficiency of Amorphous Polyalphaolefin (APAO).

## **8. COMPANY SHARE**

Figure out what proportion of the market share of Amorphous Polyalphaolefin (APAO) is currently held by leading players across the globe.

## **9. PRICING ANALYSIS & FORECAST**

Analyze historical prices since 2015 & Forecast on three months rolling period for next 12 months.

Years considered for this report:

Historical Period: 2015- 2022

Base Year: 2022

Estimated Year: 2023

Forecast Period: 2024-2032

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